

BARCO iQTM PRO SERIES

A REVOLUTIONARY CLASS OF NETWORKED PROJECTORS



BARCO iQTM PRO SERIES

The iQ PRO projector will change the way we currently meet, share ideas and make decisions. This revolutionary networked projector allows you to give truly wireless presentations. There is no need to bring your laptop to the meeting; you can send any file (in any format) over the network to the projector. The projector's integrated server gives you the ability to save frequently used presentations and corporate movies on the projector's hard disk.

The AV Facility Manager can remotely control and manage a fleet of projectors from one location. If a presenter needs help setting up a projector, it is no longer necessary to run to the meeting room to give assistance. The AV Facility Manager can assist the presenter without leaving his office.

The innovative iQ PRO projector allows you to show up to 3 source windows simultaneously. For example, a corporate video and the agenda can be shown next to your normal presentation. The iQ PRO's innovative dual-lamp design provides the added confidence you need to give compelling and powerful presentations in any meeting room, from an executive boardroom to a mid-sized auditorium. **Smart people make smart presentations with iQ.**





Intelligent networked projectors

- Up to 4,200 ANSI lumens
- Access presentations over Local Area Network (LAN)
- Wireless LAN, streaming video and Bluetooth ready
- Remote control & diagnostics of a fleet of projectors
- Powerful computer server integrated
- Advanced picture-in-picture (2 data and 1 video)
- Seamless source switching
- Intelligent dual-lamp design



1. Streaming Media applications

When you want to show a corporate video during a presentation, you no longer need a video recorder connected to the projector. The iQ Pro projector is streaming video ready. Video material can be saved on the LAN, so that you can get it straight from the company network.

2. Effective virtual meetings

Even when people are not physically present during a meeting, the iQ Pro will make interaction easier and more efficient. The iQ Pro enables remote meeting participants to...

- view the same image on their laptops as the meeting participants in the meeting room
- transfer files to the projector in the meeting room
- take mouse and keyboard control of the presentation and projector, when they need to do their part of the presentation.

iQ Pro for corporate applications

3. Information Display

Frequently used presentations and digital video material can be saved on the iQ Pro's server (hard disk), and launched from there. No need to have a video recorder in the reception area. This is ideal for projectors with looping, recurrent information like the 'welcome' screens in reception areas that have corporate videos running all day.

4. Effective collaborative meetings

During collaborative meetings, people come together to share information and make decisions. The iQ Pro gives meeting participants the power to ...

- display content from their laptops instantly on the screen, one by one. It is no longer necessary to disconnect and pass the RGB cable
- transfer control over a presentation to various meeting participants easily and quickly
- have all files (spreadsheets, previous presentations, the Internet, etc.) at hand, files can be retrieved from the LAN when needed
- display information from wireless handhelds
- save presentation notes on the LAN, making them immediately available

7. Manage and control a fleet of projectors from virtually anywhere

Remote control of networked projectors

The iQ Pro projector can be fully managed over your existing LAN network.

- Control all typical projector functions remotely
- Start up a full fleet of projectors simultaneously at the beginning of the day

Faster diagnostics, improved maintenance and service

- View status of all crucial parameters remotely
- Projector status information can be sent by the iQ Pro projector through email.
- Software updates can be done over the network.

Reduce your total cost of ownership

- Save money through efficient lamp management, faster diagnostics and easier servicing.
- Use wired network cables and eliminate the cost of expensive RGB cabling and switching equipment.
- Use a wireless LAN network and present without wires.

Meeting Room 1

5

5. Meetings with external parties

A wireless or wired point-to-point network connection can be made to display the presentation of an external party, who does not have access to the LAN, on the iQ Pro projector. Alternatively, the presentation of a visitor can be shown by including a Memory Stick in the PCMCIA slot of the iQ Pro projector.

6. Enter the meeting room without laptop

Transmit files (presentations, data, graphics, etc.) over the LAN; no need to bring your laptop to the meeting. Your presentation will now come straight from the LAN or the hard disk of the iQ Pro projector.

1
streaming media storage
streaming media server

6

Training Room

Office

Meeting Room 2

4

DropZone

Presenter's software

Two powerful software packages come with the iQ Pro projector. One software package is designed to make it easy for presenters to control the projector from their laptop. The other one gives the AV Facility Manager the ability to remotely control and diagnose a fleet of projectors.

The DROPZONE software has been designed with the presenter in mind. It allows you to easily drag & drop any file from your laptop, straight on to the projector, over the LAN.



You can browse through the files of your laptop and on the corporate network, look for the presentation or file you want to display, and launch it straight on the projector.

This button allows you to see the image generated by the iQ Server on your laptop. You can follow the presentation and have keyboard and mouse control over the projector via your laptop.

Select files from the hard disk inside the projector and launch them immediately.

Choose the name of projector you will use during your presentation. If you do not know the name of the projector, you can still send your files to the right projector just by selecting the room in which you will be doing your presentation.

You can choose between two Drop Modes:

- **Launch:**

During a meeting, select a file from the network and show it immediately on the screen.

- **Store:**

This button allows you to save the presentation on the projector in the meeting room where you will give your presentation; there's no need to take along your laptop to the meeting.



Easy system integration

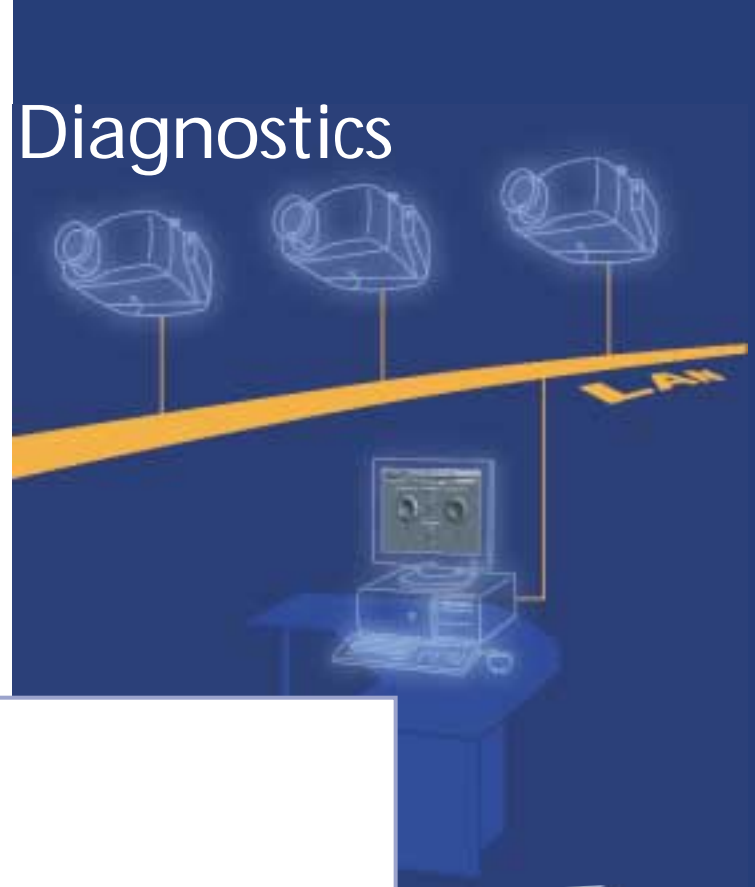
Thanks to the powerful processing power of the iQ Pro projector, the server within the projector becomes an ideal platform for installing the software you need for your specific applications. The iQ Pro networked projector can be fully integrated into your company's infrastructure.

Remote Control & Diagnostics

AV Facility Manager's software

This Barco software package enables the AV Facility Manager to control and diagnose a fleet of projectors remotely. This will result in an improved support from Help Desk. In addition, they can manage the projector remotely and react immediately to the needs of the presenters, from their desk.

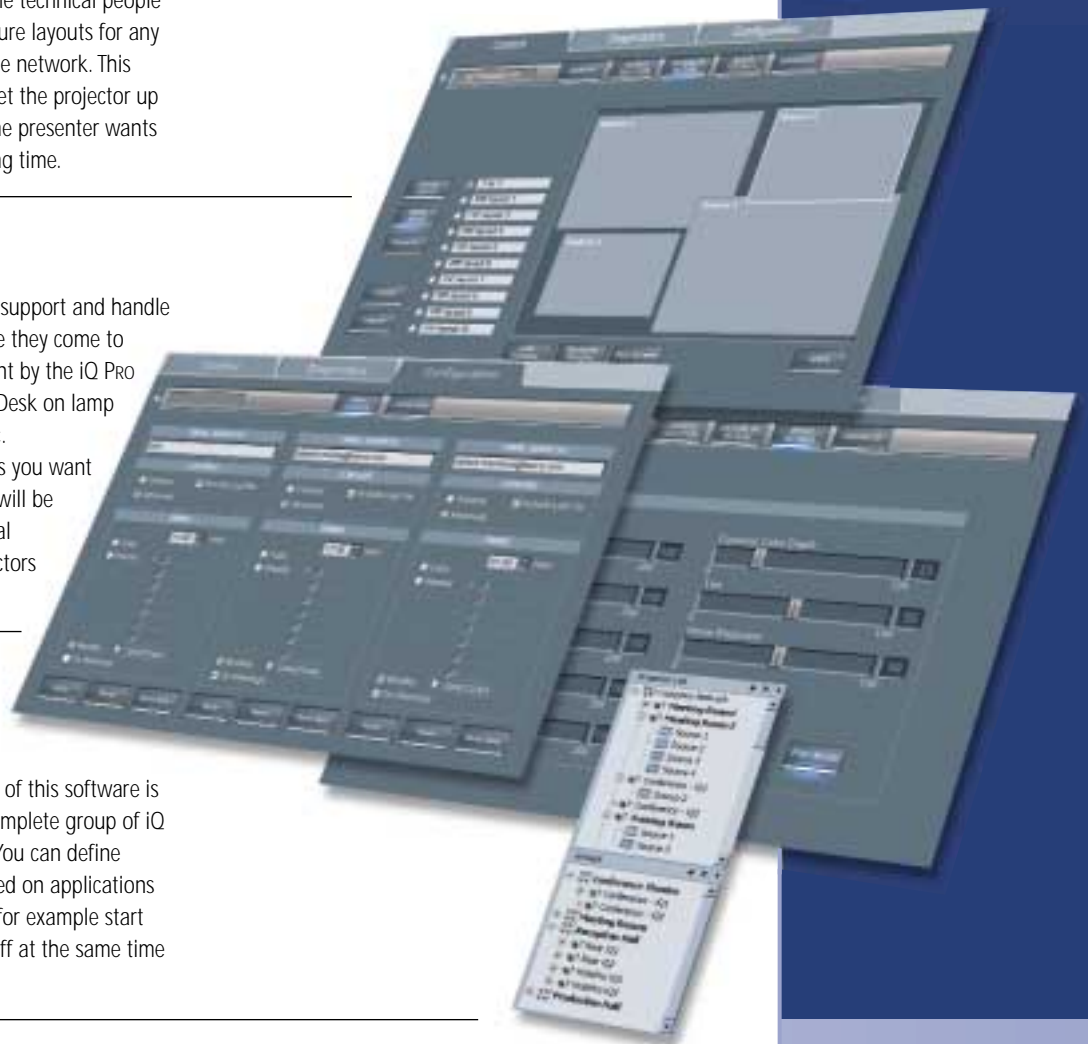
No need to run to a meeting room to adjust projector settings, this can all be done remotely and instantly, over the network.



From his desk, the AV Facility Manager can define the content and layout of the projected images throughout the building. This screen shows how the technical people can create picture-in-picture layouts for any projector connected to the network. This way, the Help Desk can set the projector up in advance, exactly like the presenter wants it, saving valuable meeting time.

To improve maintenance support and handle potential problems before they come to surface, emails can be sent by the iQ Pro projector to inform Help Desk on lamp life, system operation, etc. Just select the parameters you want for email alerts, and you will be able to monitor the critical parameters of your projectors more easily.

Another unique function of this software is its ability to manage a complete group of iQ Pro projectors remotely. You can define groups of projectors, based on applications or location, and you can for example start them up and turn them off at the same time every day.



The right projector can help you deliver a message

Show multiple sources simultaneously

The iQ PRO projector allows you to simultaneously display **two data and one video image** from different sources, helping you to get your message across in a more powerful way. Add effective images alongside your presentation, like your ad campaign, live news broadcasts, a DVD source or even a product drawing. Do it all on one screen, using one projector.

Easily compare data from different sources

Efficient decision making often means exchanging and retrieving information in a fast and efficient way. Previously, when exchanging data during meetings, laptops needed to be connected and disconnected, and information was shown on the screen in a sequential way. Now, the iQ PRO enables you to show 2 data sources simultaneously, so data can be compared side by side.

Position and size your source windows on the screen

As you add sources with your remote control, you can resize and move the source windows on the screen to create the perfect layout for your meeting. For example, you can create a small video window running on top of your presentation. Save and load your preferred settings and screen arrangement, allowing you to recall it instantly.



Enhance the flow and momentum of your presentations

Switch sources instantly or use professional transition effects

Switch sources on-the-fly without distracting on-screen warning messages or irritating intervals. Go from a video to a data image in a snap, or use **special effects** like fade-in/out or vertical curtain to change sources. Now that's professional!

Instantly show your logo on the screen during intermissions

You can pre-program your company logo or some other appropriate image to automatically appear on the screen when there's no active source. This image can also be shown during intermissions or long discussions, with one single click on the remote control.

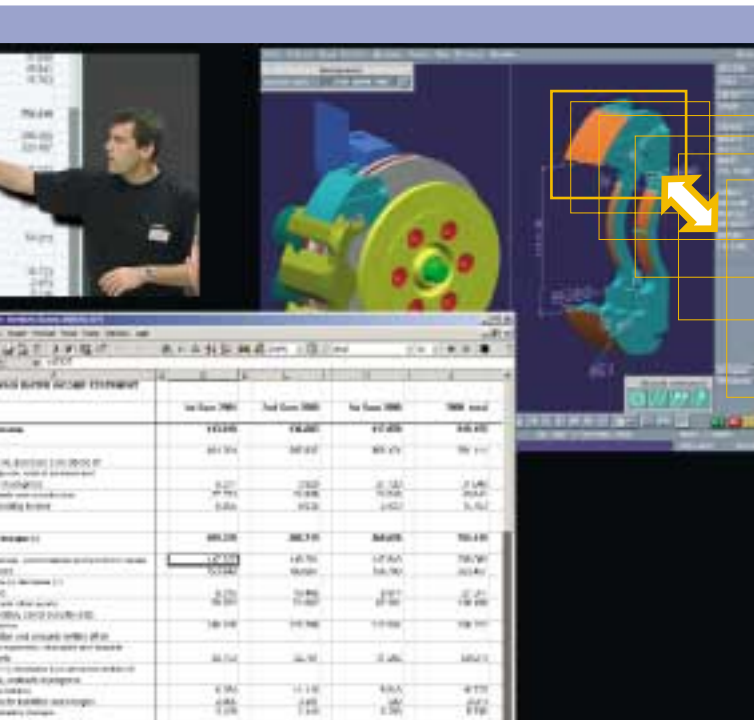
Hold back the projector's light from the screen as needed

The light shutter button on the remote control, enables you to hold back the light of the projector. This way you can keep your first slide hidden from the audience. Open the lens shutter when you're ready to start your presentation.



up to 4,200 ANSI

ore powerful message



Easily scroll for details

The iQ Pro projector allows you to **digitally zoom** inside a window and scroll for the details you want to emphasize. This way it is easy for you to zoom in on the details of a technical drawing or other data. All actions take place without freezing the image, thanks to iQ Pro's real-time image processing capability.



Thanks to the user-friendly features of the iQ Pro, you can focus on your presentation...not the projector

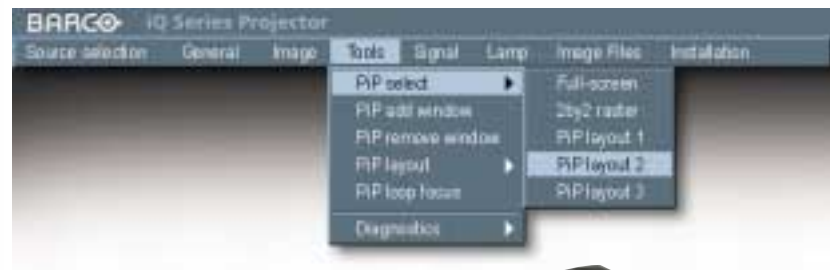
The iQ Pro projector automatically identifies the input source signal mode and optimizes all display settings accordingly. This allows an optimal image quality, with no manual adjustment necessary. You concentrate on your presentation without the distraction of having to constantly fiddle with adjustments.

Familiar menu structure

BARCO's newly designed **intuitive user interface** guides you easily through all features. You control the projector just like your PC.

A simple remote control gets the job done

With the newly designed remote control, setting up the projector is as simple as "plug & play". You have easy access to simplified vital functions like source selection, picture-in-picture, and switching between sources. Three Quick Access buttons are available for customized programming to fit your individual needs.



lumens

You need a reliable projector, with an excell

Innovative dual-lamp system to maximize light efficiency and reliability

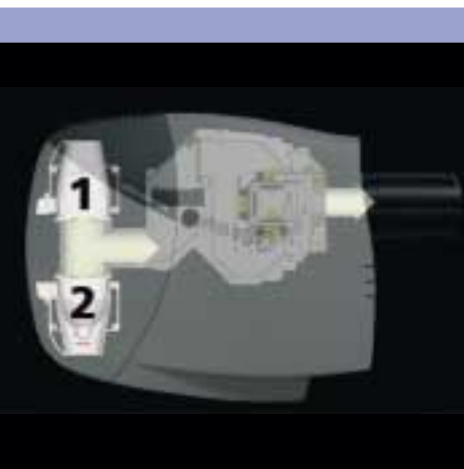
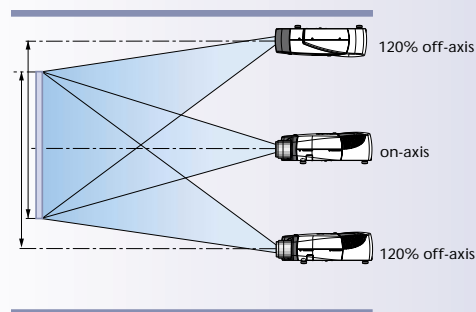
All iQ Pro Series projectors come with an advanced dual-lamp system, providing guaranteed uninterrupted presentations. In **dual-lamp mode**, the iQ Pro 300 projectors deliver up to 3,500 ANSI lumens and a 1500-hour lifetime of the lamp system. If one lamp fails for any reason, the other lamp will keep on running, proving you a reliable projector solution.

For applications where less light output is required, switch to **single-lamp mode** and double the lifetime of the lamp system. If one lamp fails, the innovative auto-sensing feature instantly switches to the other lamp, you can continue your presentation without going into standby mode. Furthermore, the iQ Pro projector lamps alternate intelligently, in order to reach end-of-life simultaneously. This way you can replace both lamps at the same moment, saving maintenance time.

Maximum installation flexibility

Extreme lens shift capability

Centering the picture on the screen in fixed ceiling applications is a snap. The motorized zoom lenses can vertically shift 120% up and 30% down.



Lamps take only seconds to replace with our **innovative click & plug in** concept. No special tools are required.

Excellent image quality

The iQ Pro Series combines high-quality 1.3" poly-silicon LCD technology and BARCO's renowned image processing expertise. The result is an unsurpassed color reproduction and truly impressive images. With Barco's precision optical elements, you can achieve a **high-contrast level of more than 400:1**.

Barco's patented True Color Reproduction (TCR^{plus}) software enhances the quality of conventional video sources. The result is **vibrant images with remarkable color depth, sharpness and clarity**.



ent image, that's easy to install and maintain

Digital keystone correction

The trapezoidal keystone distortion of the image is electronically corrected when it is projected upward or downward onto the screen.

A wide range of high-definition lenses gives you the flexibility to optimize performance for any setting. Short-throw lenses for rear projection and long-throw lenses for front projection are available. Replacing a lens is a very easy, thanks to the click-and-play design.



End the cable mess

A state-of-the-art meeting area doesn't have to look like an electrician's worst nightmare. The iQ Pro's cabinet comes with an eye catching magnesium cover and a cable basket at the projector front, concealing all of the input cables and creating a clean line and contemporary design.



Choose from a vast array of accessories

The iQ Pro's **ceiling mount** system makes fixed installations and maintenance easy. The platform is horizontally and vertically adjustable. For easy transportation, a **flight case** is available.



Connect virtually anything

The iQ Pro array of input connections is enough to impress the most sophisticated electronics user, including analog data to digital video and from the latest HDTV sources for all of today's popular RGB computer formats. All connections are located for easy access in the cable basket on the projector's front panel.

The iQ Series offers **unique video application possibilities**. Connect up to seven composite video sources or up to three S-Video sources. An intelligent video switcher is included to provide easy management of the various connections. There is no need to go to the expense of external switchers.

DVI (Digital Visual Interface) is the new open industry specification for digital connectivity. The computer signal remains digital from source to screen, avoiding degradation or interference.

RS232 for software uploads and for communication with third party control panels or PCs.

Server platform with upgradeable Pentium III socket

- 1.3 GHz processor
- 256 MB RAM
- 10 GB Hard Disk storage
- Video memory up to 64 MB
- Microsoft™ XP OS
- Barco server software for network communication between iQ Pro server and clients

PCMCIA slot to insert PC Cards for e.g. Wireless LAN, Bluetooth, ISDN connections and Memory Sticks.

4 USB connections to connect a wide range of peripherals and consumer electronics products like digital cameras, camcorders, etc.

RJ 45 to connect to the Local Area Network (LAN)

2 Audio inputs (microphone and line in)

Audio output (line out)



iQ Pro Series Specifications

Light Output

iQ Pro G300: 3500 ANSI lumens
 iQ Pro R300: 3300 ANSI lumens
 iQ Pro G400: 4200 ANSI lumens
 iQ Pro R400: 4000 ANSI lumens
 Brightness uniformity: >95 % for the total screen

LCD Panels

3 active matrix 1.3" diagonal
 XGA polysilicon LCD panels with
 Micro Lens Arrays and a resolution of:
 iQ Pro G300/400: 1024 x 768 pixels
 iQ Pro R300/400: 1366 x 1024 pixels
 (both have aspect ratio 4:3)

Lamp

iQ Pro G/R300: 2x 200 Watt UHP lamp
 Typical lifetime: 1500 hours/lamp
 (max.3000 hrs/set in Single Lamp Mode)

iQ Pro G/R400: 2x 250 Watt UHP lamp
 Typical lifetime: 1000 hours/lamp
 (max.2000 hrs/set in Single Lamp Mode)

Available Lenses

Lens Type	Order No.
Motorized Zoom Lenses	
SVD (2.0 - 2.5:1)	R9841240
QVD (1.3 - 1.8:1)	R9840950
QVD (1.9 - 2.6:1)	R9840960
QVD (3.0 - 6.0:1)	R9840970
Fixed Focal Length Lenses	
QVD (0.85:1)	R9841220
QVD (7.0:1)	R9841230

Recommended Screen Width

From 1-6 m/3-20 ft.

Contrast Ratio

>400 : 1 (full white/full black)

Scan Frequencies

Horizontal 15 kHz - 110 kHz
 Vertical 25 Hz - 150 Hz

Special Features

- Advanced picture-in-picture
- Seamless switching with effects
- Standard cable basket
- Standard light shutter
- Advanced digital zoom

Communication

1x D9 connectors for RS232 In/Out
 1x spherical IR receiver
 4x USB
 1x RJ45
 1x PCMCIA slot (Type II)

Barco Intelligent Displays

Noordlaan5 - 8520 Kuurne - Belgium
 Fax: +32 (0)56 36-8651
 E-mail: info.presentations@barco.com

BarcoProjection

3240 Town Point Drive
 Kennesaw, GA 30144
 Phone 770-218-3200 Fax 770-218-3250
 E-mail: BPSmarketing@barco.com

Compatibility

The iQ Pro Series is compatible with:

- All current video sources (PAL, SECAM, NTSC) in Composite, S-VHS, Component or RGB formats
- All currently proposed HDTV, extended and improved television standards (1080i, 720p)
- Most sources with a pixel clock up to 160 MHz
- All computer graphics formats from VGA, S-VGA, XGA, S-XGA and U-XGA (75 Hz)
- Most Macintosh computers
- Electronic workstations with a resolution up to 1600 x 1200 pixels / 75 Hz
- DVI sources up to SXGA

Inputs

1x Configurable 5-Wire (BNC) for:
 Composite Video, S-Video,
 Component Video, RGBHV, RGBS,
 RGsB.
 1x Composite Video (BNC) (up to 7
 Composite Video's when using all
 connectors on top input board)
 1x S-Video (4-pin mini-DIN) (up to 3
 S-Video's when combining BNC's)
 1x VGA (D15 connector)
 1x DVI (Digital Visual Interface)

AC Power

Power factor pre-regulated SMPS,
 90-254 VAC / 50-60Hz

Power Consumption

Max 520 Watt

Power Dissipation

Max. 1775 BTU/h

Noise Level

<37dB for iQ Pro 300 Series
 <38dB for iQ Pro 400 Series

Safety Regulations

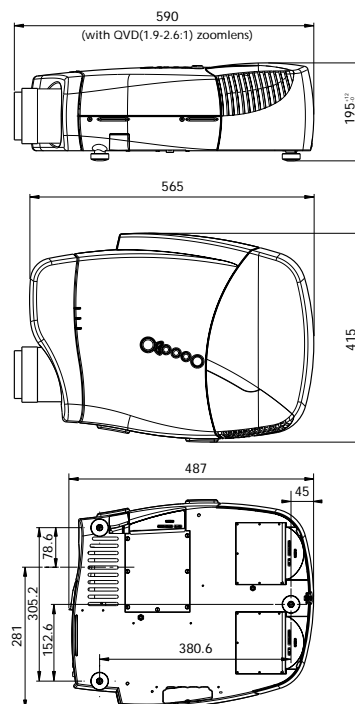
Compliant with UL1950 and
 EN60950

Electromagnetic Interference

BARCO's iQ Pro Series comply with
 FCC rules & regulations, part 15 Class
 B and CE EN55022 Class B

Weight

Net weight, body only: 12.9 kg/28.5 lbs.
 Shipping weight:
 - without lens max.17.5 kg / 38.5 lbs.
 - with lens max. 20 kg / 44 lbs.



dimensions in mm

Dimensions	mm	inch
Length ⁽¹⁾	590	23.23
Width	415	16.34
Height	195	7.68

(1) with QVD (1.9 - 2.6:1) zoomlens

Order Information

BARCO iQ Pro G300	R9002720
BARCO iQ Pro R300	R9002750
BARCO iQ Pro G400	R9002920
BARCO iQ Pro R400	R9002950
Lamp 200 Watt	R9841111
Dual Lamp Package 200W	R9841100
Lamp 250 Watt	R9841761
Dual Lamp Package 250W	R9841760
Ceiling Mount	R9841250
Ceiling Mount Bar Short	R9841260
Ceiling Mount Bar Long	R9841261
Flight Case	R9841300



BARCO Projection
 Systems is an ISO 9001
 registered company.

The information and data given are typical for the equipment described. However any individual item is subject to change without any notice. The latest version of this brochure can be found on
www.presentations.barco.com